Amendments to the Specification

Please replace paragraph 1 (Field of the Invention on page 1, lines 6-11) with the following amended paragraph:

The present invention relates to a method for checking a disk loading status in an optical disk driver, and more particularly to a method for checking a disk loading status in an optical disk driver of slot loading type in which a disk loading status is detected and discriminated ~~by multi-stage in~~ during the multiple loading stages of inserting a disk into an optical disk driver such as a CD-ROM driver so that when the disk is discriminated as being jammed, it is automatically unloaded.

Please replace paragraph 1 under Summary of the Invention, lines 23-25 on page 4 and lines 1-4 on page 5 with the following amended paragraph:

Therefore, an object of the present invention is to provide a method for checking disk loading status in an optical disk driver by which a loading status of an optical disk is segmented to be discriminated ~~by multi-stage,~~ during the multiple loading stages of the disk for which in case that a disk-jammed status is discriminated, corresponding information is transmitted to a host connected through an interface, so that a disk ejection command is outputted from the host or a disk ejection operation is performed by itself.

Please replace paragraph 4 on page 5, lines 19-23 with the following amended paragraph:

In order to achieve the above object, there is also provided a method for checking a disk loading status in an optical disk including the steps of: discriminating a loading status of an optical disk ~~by multi-stage~~ ~~during the multiple loading stages of the disk~~; and performing a disk-ejection operation by itself in case that the disk has been jammed upon discrimination.

Please replace paragraph 1 on page 8, lines 1-12, with the following amended paragraph:

And, as shown in Figures 3C through 3E, in case of a loading status that the disk is jammed, the levels of the sensing signals respectively outputted from the first and the second optical sensors S1 and S2 and from the loading switch SW become 'low, low, high', 'high, low, high' and 'low, low high', respectively, the status of which is detected for more than a predetermined time as shown in Figure 4, whereas, as shown in Figure 3F, in case that the led-in disk is completely clamped, the levels of the sensing signals respectively outputted from the first and the second optical sensors S1 and S2 and from the loading switch SW become 'low, low, low' respectively. Accordingly, on the basis of the sensing signals respectively outputted from the first and the second optical sensors S1 and S2 and from the loading switch SW, the

MICROCOMPUTER 6 segmented the current disk loading status into ~~multi-stage~~ multiple loading stages to be discriminated.

Please replace paragraph 2 on page 8, lines 13-19, with the following amended paragraph:

Especially, as shown in Figure 4, in case that the ~~vales~~ values of the sensing signals respectively outputted from the first and the second optical sensors S1 and S2 and from the loading switch SW are maintained for more than a predetermined time, or in case that no sensing signal indicating completion of clamping is detected from the loading switch for more than a predetermined time after the disk is inserted, it is discriminated that the disk has been jammed and a disk-ejecting operation is performed.

Please replace paragraphs 2-3 on page 9, lines 7-15, with the following amended paragraph:

Upon discrimination, the MICROCOMPUTER 6 generates a corresponding mode sense data as previously defined (S23) and transmits the generated mode sense data to the host (a personal computer) connected through the interface unit 5 to report each disk loading status discriminated ~~by multi-stage~~ during the multiple loading stages of each disk.

In this respect, in case that the interface unit 5 uses the typically used

ATAPI bus for interfacing with the personal computer, the MICROCOMPUTER generates a mode sense data in a 12 byte packet command format as defined by the ATAPI communication protocol and transmits each disk loading status discriminated ~~by multi-stage~~ during the multiple loading stages of each disk for reporting.

Please replace paragraph 2 on page 10, lines 7-11, with the following amended paragraph:

In this manner, in the optical disk driver adopted to the present invention, the disk loading status is discriminated ~~by multi-stage~~ during multiple loading stages and the corresponding mode sense data is transmitted to the host. And then, the disk-ejection operation is performed according to the eject command requested by the host, whereby the disk-ejection operation is automatically performed with the disk-jammed status.

Please replace paragraph 4 on page 10, lines 15-22, with the following amended paragraph:

Likewise in the former embodiment of the present invention, when the tray is opened to insert the optical disk 1 and closed (S30), a disk loading operation is performed that the tray on which the optical disk is mounted is inserted into the optical disk driver according to the driving of the loading

mechanism. At this time, the MICROCOMPUTER 6 receives and compares the sensing signals respectively outputted from the first and the second optical sensors S1 and S2 and from the loading switch SW (S31), and discriminates the loading status of the optical disk 1 as shown in Figures 3A through 3F ~~by multi-stage~~ during multiple loading stages (S32).

Please replace paragraphs 2-3 on page 11, lines 8-19, with the following amended paragraph:

Accordingly, in the optical disk driver adopted to the present invention, the disk loading status is discriminated ~~by multi-stage~~ during multiple loading stages and a corresponding mode sense data is transmitted to the host. In addition, when the disk is discriminated to have been jammed, the loading mechanism is driven by itself, thereby quickly performing the disk-ejection operation.

As so far described, according to the method for checking disk loading status in an optical disk driver of the present invention, a loading status of an optical disk is segmented to be discriminated ~~by multi-stage~~ during multiple loading stages, and in case that a disk-jammed status is discriminated, corresponding information is transmitted to a host connected through an interface, so that a disk ejection command is outputted from the host or a disk ejection operation is performed by itself to thereby automatically perform the

disk-ejection operation for the disk-jammed status.